

**REMARKS**

Claims 1-12 are currently pending in the application, of which claims 1 and 7 are independent claims.

***Drawing Objection***

In the Office Action, the drawings were objected to as failing to indicate “Prior Art” in Figure 1 and for not referring explicitly to FIG. 2 in the specification.

Figure 1 has been amended to denote “Prior Art,” as shown in the attached drawing sheets. Applicants note that “FIG. 2” appears at page 7, line 8 of the specification.

Accordingly, Applicants respectfully request withdrawal of the drawing objections.

***Claim Objection***

In the Office Action, claims 3-6 and 9-12 were objected to as dependent on rejected base claims.

The argument below is provided to show that the rejection of the base claims should be withdrawn. Accordingly, Applicants respectfully also request withdrawal of the objections for claims 3-6 and 9-12.

***Rejections Under 35 U.S.C. §103***

Claims 1, 2, 7, and 8 stand rejected under 35 U.S.C. §103(a) as being unpatentable over U.S. Patent No. 5,648,793 issued to Chen ("*Chen*") in view of U.S. Patent No. 5,828,368 issued to Jung ("*Jung*"). Applicants respectfully traverse this rejection for at least the following reasons.

In order to render a claim obvious, the combination of cited references must teach each and every element of the claimed invention and must provide teaching, motivation or suggestion to combine. Nat'l Steel Car, Ltd. v. Canadian Pac. Rwy., 357 F.3d 1319, 1337 (Fed. Cir. 2004) (citing Ecolchem, Inc. v. S. Cal. Edison Co., 227 F.3d 1361, 1371 (Fed. Cir. 2000)). This motivation must be based on the knowledge in the art, not knowledge provided by the application under examination, because such hindsight reconstruction is forbidden. In re Fine, 837 F.2d 1071, 1075 (Fed. Cir. 1988).

In regard to claims 1 and 7, the Examiner admits that *Chen* does not teach at least "that the timing controller outputs a vertical sync start signal based on a data-enable signal having an irregular output interval to control output of the image data, the vertical sync start signal having a generation interval associated with a blank interval of the data-enable signal." Office Action, pp. 4-5.

The supplemental reference, *Jung*, does not remedy the deficiencies of *Chen*. Despite Figure 8 of *Jung*, *Jung* addresses a situation in which the data-enable signal is regular. In contrast, claims 1 and 7 recite "having an irregular output interval." *Jung* relies on the regularity of the signal. *See, for example, Jung*, col. 2, ll. 50-51 ("[T]he number n is always changed to be equal to a system design." Explaining why a system capable of adapting to various values of n is needed.) Specifically a counter is used to predict the blanking interval based on the previous

blanking interval. *Jung*, col. 2, ll. 64-65 (“[B]y counting a main clock signal and a data enable signal.”). Accordingly, although *Jung* may work with a variety of systems without modification, it does not address the random data-enable mode.

Even if *Jung* did address a situation having an irregular output interval, there would be no motivation to combine the two references because *Chen* also does not address a situation having an irregular output interval. Accordingly, it would not be obvious to combine two incompatible pieces of art. Moreover, the Examiner has not provided any teaching or suggestion to combine the references.

Claim 2 depends from claim 1, and claim 8 depends from claim 7. Thus, claims 2 and 8 are non-obvious for at least the reasons that claims 1 and 7 are non-obvious.

Accordingly, Applicants respectfully request withdrawal of the 35 U.S.C. §103(a) rejection of claims 1, 2, 7, and 8. Since none of the other prior art of record, whether taken alone or in any combination, discloses or suggests all the features of the claimed invention, Applicants respectfully submit that independent claims 1 and 7, and all the claims that depend from them are allowable.

***Allowable Subject Matter***

Applicants appreciate the indication that claims 3-6 and 9-12 contain allowable subject matter. For the reasons stated above, Applicants respectfully indicate that the base claims should be allowed.

Accordingly, Applicants submit that claims 3-6 and 9-12 are in condition for allowance.

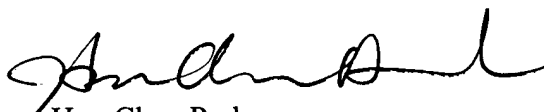
**CONCLUSION**

Applicants believe that a full and complete response has been made to the pending Office Action and respectfully submits that all of the stated objections and grounds for rejection have been overcome or rendered moot. Accordingly, Applicants respectfully submit that all pending claims are allowable and that the application is in condition for allowance.

Should the Examiner feel that there are any issues outstanding after consideration of this response, the Examiner is invited to contact the Applicants' undersigned representative at the number below to expedite prosecution.

Prompt and favorable consideration of this Reply is respectfully requested.

Respectfully submitted,



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